

Lightning Parent-to-Child Method example

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1 // FacilitySearch (PARENT) CONTROLLER code
2 {{
3   onFormSubmitted : function(component, event, helper) {
4     var formData = event.getParam("formData");
5     var facilityTypeId = formData.facilityTypeId;
6     alert("PARENT onFormSubmitted: facilityTypeId = "+facilityTypeId);
7
8     var childCmp = component.find("FacilitySearchResults");
9     childCmp.search(facilityTypeId);
10   }
11 }}

```

uses FacilitySearchResults CHILD Component

uses this CHILD Controller

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1 <!-- FacilitySearchResults CHILD COMPONENT of FacilitySearch (PARENT) COMPONENT
2 FacilitySearchResults PARENT COMPONENT of FacilityTile (CHILD) COMPONENT
3 -->
4 <aura:component implements="flexipage:availableForAllPageTypes" controller="FacilitySearchResults">
5   <!--
6     Create a new FacilityTile component and update your FacilitySearchResults container to
7     loop through all the results returned from an Apex controller FacilitySearchResults to
8     display an unfiltered list of every facility.
9     Define the method getFacilities() in FacilitySearchResults, to return search results as described
10    in the business requirements. FacilitySearchResults.cmp displays search results with a
11    helper method, onSearch(), and displays each result as a FacilityTile component.
12    -->
13
14    <aura:attribute name="facilities" type="Facility__c[]"/>
15
16    <!-- FacilitySearch (PARENT) CMP calls this CHILD Method -->
17    <aura:method name="search" action="{!c.doSearch}" access="public">
18      <aura:attribute name="facilityTypeId" type="String" />
19    </aura:method>
20
21    <aura:handler name="facilitySelect" event="c:FacilitySelect" action="{!c.onFacilitySelect}"/>
22
23    <aura:attribute name="selectedFacilityId" type="String"/>
24
25    <aura:if isTrue="{! empty(v.facilities)}">
26      <div class="slds-align_absolute-center">No facilities found</div>
27    <aura:set attribute="else">
28      <lightning:layout horizontalAlign="spread" multipleRows="true">
29        <lightning:layoutItem padding="around-small" flexibility="grow">
30          <aura:iteration items="{!v.facilities}" var="facility">
31            <c:FacilityTile facility="{!facility}"
32              selected="{!(facility.Id = v.selectedFacilityId ? true : false)}" />
33          </aura:iteration>
34        </lightning:layoutItem>
35      </lightning:layout>
36    </aura:set>
37    </aura:if>
38  </aura:component>
39

```

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1 // FacilitySearchResults (CHILD) CONTROLLER code
2 {{
3   doSearch : function(component, event, helper) {
4     var params = event.getParam('arguments');
5     var facilityTypeId = "";
6     if (params) {
7       facilityTypeId = params.facilityTypeId;
8     }
9     //alert("doSearch: facilityTypeId="+facilityTypeId);
10    helper.onSearch(component, facilityTypeId);
11  },
12
13   onFacilitySelect : function(component, event, helper) {
14     //alert('onFacilitySelect: event='+event);
15     var params = event.getParam('facilityId');
16     var selectedFacilityId = "";
17     if (params) {
18       //alert('params='+params);
19       selectedFacilityId = params;
20       //alert('onFacilitySelect: selectedFacilityId='+selectedFacilityId);
21       component.set("v.selectedFacilityId", selectedFacilityId);
22     }
23  }
24 }}

```

```

1 // FacilitySearchResults (CHILD) HELPER code
2 {{
3   onSearch : function(component, facilityTypeId) {
4     //alert("onSearch: facilityTypeId="+facilityTypeId);
5     var action = component.get("c.getFacilities");
6     action.setParams({
7       facilityTypeId : facilityTypeId
8     });
9
10    action.setCallback(this, callback: function(a){
11      //get the response state
12      var state = a.getState();
13      //check if result is successful
14      if (state == "SUCCESS"){
15        var result = a.getReturnValue();
16        //alert("onSearch: facilities="+result);
17        component.set("v.facilities", result);
18      }
19      /*if($A.util.isEmpty(result) || $A.util.isUndefined(result)) {
20        component.resetMap();
21      }
22      else {
23        component.set("v.facilities", result);
24      }*/
25    }
26    else if(state == "ERROR"){
27      alert('Error in retrieving facilities');
28      console.log('Error in retrieving facilities');
29    }
30  });
31  $A.enqueueAction(action);
32 }
33 }}

```

